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**University of Engineering & Management, Kolkata**

**Course: B.Tech Semester: 3rd**

**Paper Name: Data Structure & Algorithm Laboratory**

**Paper Code: PCC - CS391**

1. **Write a C program for array implementation of Stack**
2. Push
3. Pop (Dislpay "Stack is Empty" if stack is empty).
4. Display Stack Top (Dislpay "Stack is Empty" if stack is empty).
5. Exit

**Input Format**

First line contains the Menu followed Input for given menu.

**Constraints**

NA

**Output Format**

Print the output based on the Menu

**Sample Input 0**

1

15

1

20

1

35

3

2

3

2

3

2

3

4

**Sample Output 0**

->15

->20

->35

Stack is Empty

1. **Write a C Program to implement Stack using Linked List with Following Menu.**
2. Push
3. Pop (Dislpay "Stack is Empty" if stack is empty).
4. Display Stack Top (Dislpay "Stack is Empty" if stack is empty).
5. Exit

**Input Format**

First line contains the Menu followed Input for given menu.

**Constraints**

NA

**Output Format**

Print the output based on the Menu

**Sample Input 0**

1

10

1

20

1

30

3

2

3

2

3

2

3

4

**Sample Output 0**

->30

->20

->10

Stack is Empty